GENOA SYSTEMS CORPORATION
TURBOEXPRESS 486PCI-4G

Processor	80486SX/80486Overdrive/80487SX/80486DX/80486DX2
Processor Speed	25/33/50(internal)/66(internal)MHz
Chip Set	Unidentified
Video Chip Set	None
Maximum Onboard Memory	128MB
Maximum Video Memory	None
Cache	128/256/512KB
BIOS	Award
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (4)
NPU Options	None
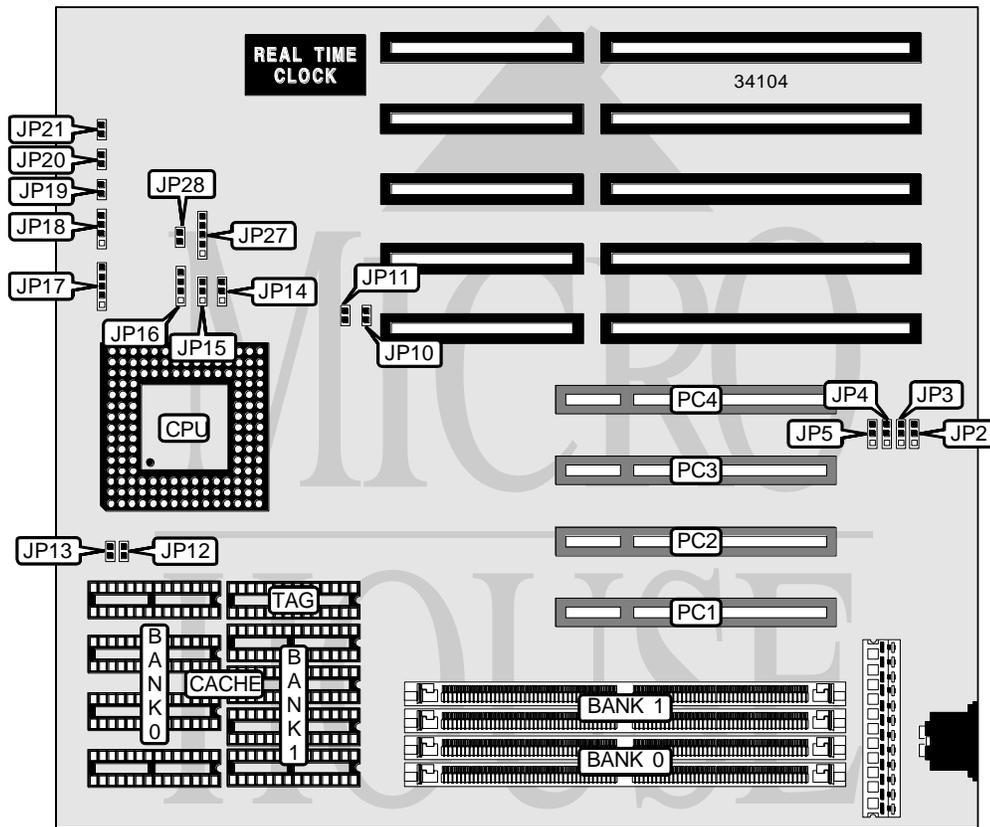
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Power LED & keylock	JP17	Turbo LED	JP20
Speaker	JP18	Turbo switch	JP21
Reset switch	JP19	32-bit PCI slots	PC1 – PC4

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DRAM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
2MB	(2) 256K x 36	None
4MB	(2) 512K x 36	None
4MB	(2) 256K x 36	(2) 256K x 36
6MB	(2) 512K x 36	(2) 256K x 36
8MB	(2) 1M x 36	None
8MB	(2) 512K x 36	(2) 512K x 36
10MB	(2) 1M x 36	(2) 256K x 36
12MB	(2) 1M x 36	(2) 512K x 36
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
18MB	(2) 2M x 36	(2) 256K x 36
20MB	(2) 2M x 36	(2) 512K x 36
24MB	(2) 1M x 36	(2) 2M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
34MB	(2) 4M x 36	(2) 256K x 36
36MB	(2) 512K x 36	(2) 4M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 2M x 36	(2) 4M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
66MB	(2) 8M x 36	(2) 256K x 36
68MB	(2) 512K x 36	(2) 8M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 2M x 36	(2) 8M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
Note: Banks are interchangeable.		

CACHE CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**TAG**
128KB	(4) 32K x 8	None	(1) 32K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
512KB	(4) 128K x 8	None	(1) 32K x 8

CACHE JUMPER CONFIGURATION				
Size	**JP2**	**JP3**	**JP12**	**JP13**
128KB	Pins 1 & 2 closed	Pins 2 & 3 closed	Open	Open
256KB	Pins 2 & 3 closed	Pins 1 & 2 closed	Closed	Open
512KB	Pins 2 & 3 closed	Pins 2 & 3 closed	Closed	Closed

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CACHE CONFIGURATION	
Setting	**JP4**
Enabled	Pins 2 & 3 closed
Disabled	Pins 1 & 2 closed

CPU SPEED SELECTION			
Speed	**JP5**	**JP10**	**JP11**
25MHz	Pins 1 & 2 closed	Open	Closed
33MHz	Pins 2 & 3 closed	Closed	Open
50iMHz	Pins 1 & 2 closed	Open	Closed
66iMHz	Pins 2 & 3 closed	Closed	Open

CPU TYPE SELECTION			
Type	**JP14**	**JP15**	**JP16**
80486SX	Pins 1 & 2 closed	Open	Pins 2 & 3 closed
486Overdrive (168 pin)	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
486Overdrive (169 pin)	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2, 3 & 4 closed
80487SX	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2, 3 & 4 closed
80486DX	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
8048DX2	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed

PCI TRIGGER SELECTION		
Setting	**JP27**	**JP28**
í ISA IDE	Pins 2 & 3 closed	Closed
Level	Pins 1 & 2 closed	Open
Edge	Pins 4 & 5 closed	Open